

Reference 18

Texas Natural Resource Conservation Commission

RECORD OF COMMUNICATION

To: Files Date: December 23, 2001

From: Melissa Cordell, Project Manager
Superfund Site Discovery & Assessment Program
Site Assessment & Management Section
Remediation Division

Subject: Sample Location Information from the Falcon Refinery Expanded Site Inspection

- I. The geographic coordinates for sample locations were collected by means of two Global Position System units.
 1. A Racal Landstar Navigator was used in combination with a Cassiopeia Handheld Personal Computer and Field Worker Pro Software. This system has reportedly two to three meter accuracy. This was used to collect the sample location points for background and source soil and target sediment samples on the Falcon Refinery site and adjacent wetlands.
 2. A Trimble GeoExplorer was used to collect the sample location points for the background, Probable Points of Entry, and target sediment samples in the Redfish Bay/Intracoastal Waterway. This system has reportedly three to five meter accuracy.
- II. The sample depth for composite sediment sample SE-14 (F02HS/MF00NB) was 0" - 30". The sample depth for composite sample SE-21 (F02J1/MF00NJ) was 0" - 5". The sample depth for composite sediment sample SE-27 (F02J7/MF00NQ) was 0" - 30".


Melissa Cordell, Project Manager

Attachment: GPS Location Data for May 15-19, 2000 Sampling Event

Background and Source Characterization Soil Samples					
As Collected With A Global Position Systems (GPS) - Racial Landstar Navigator using FieldWorker Pro Software					
Station Location	Longitude	Latitude	Date	Time	Comments
SO-01, SO-32	-97.17440005	27.86246549	5/19/00	14:39	
SO-02, SO-04	-97.17845207	27.85970188	5/19/00	10:31	
SO-03	-97.17885052	27.86240956	5/19/00	10:56	
SO-05	-97.1704235	27.85869978	5/19/00	12:53	
SO-06	-97.17318081	27.85785144	5/19/00	12:45	
SO-07, SO-08	-97.17965505	27.85964347	5/19/00	10:08	
SO-09	-97.17836041	27.85988634	5/19/00	10:29	
SO-10	-97.17946659	27.85928089	5/19/00	10:06	
SO-11	-97.17847472	27.85861947	5/19/00	10:14	
SO-12	-97.17845806	27.85934494	5/19/00	10:20	
SO-13	-97.17834281	27.85991836	5/19/00	10:27	
SO-14	-97.17708242	27.85925	5/19/00	9:40	
SO-15	-97.17626675	27.85871258	5/19/00	8:56	
SO-16	-97.17815103	27.85718716	5/19/00	8:42	30 FT NEE
SO-17	-97.17854354	27.85759718	5/19/00	9:48	
SO-18	-97.17744175	27.85789738	5/19/00	9:18	
SO-19	-97.17970498	27.85734139	5/19/00	9:57	
SO-20	-97.17890667	27.85524986	5/19/00	11:58	
SO-21	-97.18457735	27.85363046	5/19/00	12:15	
SO-22, SO-23	-97.17704342	27.85848169	5/19/00	9:11	
SO-24	-97.1789129	27.85549683	5/19/00	8:34	
SO-25	-97.18207175	27.85841041	5/19/00	7:26	
SO-26	-97.17957986	27.85698388	5/19/00	10:00	
SO-27	-97.18008587	27.85630945	5/19/00	9:30	
SO-28	-97.17999914	27.85613267	5/19/00	9:28	
SO-30	-97.17905093	27.85639003	5/19/00	9:33	
SO-31, SO-34	-97.17907904	27.85785872	5/19/00	9:54	
SO-33	-97.17785667	27.85905528	5/19/00	10:17	

Background and Source Characterization Sediment Samples					
As Collected With A Global Position Systems (GPS) - Racial Landstar Navigator using FieldWorker Pro Software					
Station Location	Longitude	Latitude	Date	Time	Comments
SE-02	-97.16829013	27.85870559	5/19/00	12:57	
SE-03	-97.16854971	27.85818815	5/19/00	13:00	
SE-07	-97.16676363	27.86968538	5/19/00	15:00	
SE-08	-97.16853681	27.87018322	5/19/00	14:50	
SE-09, SE-10	-97.1676679	27.86252476	5/19/00	14:14	
SE-11, SE-12	-97.16860607	27.862565	5/19/00	14:19	
SE-13	-97.16955256	27.86249144	5/19/00	14:07	
SE-14	-97.17073658	27.86151569	5/19/00	13:14	
SE-15	-97.17335915	27.86493809	5/19/00	13:54	
SE-16	-97.17264758	27.86288681	5/19/00	13:45	
SE-17	-97.17351823	27.8616293	5/19/00	14:33	
SE-18	-97.17581464	27.859195	5/19/00	12:36	
SE-19	-97.17536654	27.85909682	5/19/00	12:40	
SE-20	-97.17608258	27.85857546	5/19/00	8:59	
SE-21	-97.1759835	27.85817014	5/19/00	9:04	
SE-22, SE-23	-97.17696303	27.85737336	5/19/00	9:21	
SE-24	-97.1775314	27.85593423	5/19/00	8:47	

Background and Source Characterization Soil Samples

As Collected With A Global Position Systems (GPS) - Racal Landstar Navigator using FieldWorker Pro Software

Station Location	Longitude	Latitude	Date	Time	Comments
SE-25	-97.17890667	27.855215	5/19/00	12:02	
SE-26	-97.17674677	27.85503833	5/19/00	8:24	
SE-27	-97.176465	27.85322301	5/19/00	11:49	
SE-28	-97.18563708	27.85207899	5/19/00	12:10	
SE-29	-97.17113932	27.86423678	5/19/00	14:00	
SE-32, SE-33	-97.17324052	27.85790539	5/19/00	12:47	

Sediment Samples Collected From A Boat In Redfish Bay/Intracoastal Waterway

As Collected With A Global Position Systems (GPS) - Trimble GeoExplorer - Averaged Waypoint

Station Location	Longitude	Latitude	Date	Time	Comments
SE-01	-97.16988333	27.85609167	5/16/00	2:37	
SE-03, SE-04	-97.16594166	27.86204722	5/16/00	3:08	
SE-05	-97.16495555	27.86092777	5/16/00	3:28	
SE-06	-97.16056666	27.86952222	5/16/00	3:20	
SE-30	-97.16834444	27.85850555	5/16/00	2:57	
SE-31	-97.16870833	27.85744722	5/16/00	2:15	